

Jaws of Darkness

by Arya Akhavan (January 2015)

Angles for R.I. = 1.580

79 + 24 girdles = 103 facets

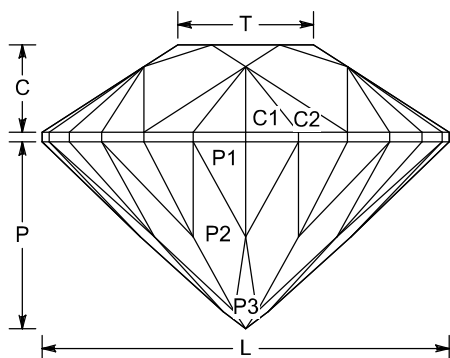
6-fold, mirror-image symmetry

96 index

$L/W = 1.000$ $T/W = 0.333$ $U/W = 0.289$

$P/W = 0.458$ $C/W = 0.214$

$Vol./W^3 = 0.225$



PAVILION

P1	44.27°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78-82-86-90-94	Cut to centerpoint.
G1	90.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78-82-86-90-94	Set stone size.
P2	43.00°	04-12-20-28-36-44-52-60-68-76-84-92	Meet P1, G1
P3	41.00°	96-16-32-48-64-80	Meet P1, P2

CROWN

C1	37.43°	02-14-18-30-34-46-50-62-66-78-82-94	Set girdle width.
C2	35.00°	06-10-22-26-38-42-54-58-70-74-86-90	Level girdle.
C3	32.68°	08-24-40-56-72-88	Meet G1, C2
C4	20.32°	96-16-32-48-64-80	Meet C1, C2, C3
T	0.00°	Table	Meet C3, C4

Hey look, yet another design in the "Temple Ruin" series! This one is a bit more complicated, though - I wanted a more domed crown instead of something that rises up and suddenly gets flat, so I added the current C4 facets. It's really designed for less saturated beryls, but as you increase the RI you get really cool effects under the table. Works in materials from beryl to CZ (RI = 1.58 - 2.16) with no changes.

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